



CALL IN NUMBER:

(b) (5), (b) (6)

PARTICIPANT CODE:

(b) (5), (b) (6)

Project Notes

103 Sawyer Street

New Bedford, MA 02746

508-996-5462

508-996-6742

www.jacobs.com

Client	USACE New Bedford Office	Date	September 28, 2016	
Project	New Bedford Harbor Superfund Site	Project No.	35BG1001	
Prepared By	Steve Sills	Note No.	599	
Subject	New Bedford Harbor - Client Update Meeting			
Participants	(* Denotes Part Time Participation)	Distribution (attendees plus)	See below	
<u>Client</u>	<u>EPA</u>	<u>MassDEP</u>	<u>Jacobs</u>	<u>Battelle</u>
Ellen Iorio	Dave Lederer	Joe Coyne	Anita Rigassio Smith	Patty White
Peter Hugh	Abdul Tahlil		Steve Sills	
Bob Christie	Elaine Stanley	<u>Sevenson</u>	Steve Fox	
Tim Rezendes	Ginny Lombardo	Joe Mahoney		
	Dave Dickerson			

NOTES

1 SAFETY, SITE MAINTENANCE, AND PUBLIC INQUIRIES

- Safety** – Jacobs (Mark) reminded regular site personnel and visitors that Areas C and D are still active sites. Be sure to observe radio communications and allow adequate time to safely get off the water before storms arrive.
- **N/C - Site Maintenance** – Jacobs continues normal site maintenance at the Area C facility. The met station will be scheduled for its annual calibration soon. In the next month we will seal the pavement at Area D, which was funded under the 2016 O&M budget. Jacobs (Mark) and SES (Joe) discussed with the seed supplier, the recommended maintenance for the vegetation planted along the Parcel 265 shoreline, above the MHHW line. The supplier recommended no mowing for the areas within 25 feet of the MHHW line. This fall the landscaper crews will selectively apply rodeo (herbicide) to individual invasives along the Parcel 265 shoreline. In addition, the landscaper will look at applying rodeo to the phragmites currently growing in Cell #1.
 - **N/C - Site Security** – As requested by the EPA and USACE, Jacobs (Mark) will look into reducing the 24-hour security at Area C.

2 JACOBS 2016 FIELD ACTIVITIES

- **Upper Harbor Debris Removal** – Debris removal at the former NSTAR cable crossing and operations are complete except for the area around the boat wreck. A 60 foot buffer has been set-up around the boat where debris removal activities cannot be conducted. Jacobs (Mark) will provide the USACE (Marcos Paiva) and EPA (Karen Lumino) with CR Environmental (CR) costs to perform a sub-bottom profile; magnetometer; and bottom probing of the boat wreck on a 1-meter grid. Jacobs (Mark) will also ask CR (Chris Wright) if the sub-bottom profile is necessary. Should CR make the determination that sub-bottom profile is unnecessary, ~~USACE (Ellen) recommends that we remove it from the scope.~~ 74
- **LH Mechanical Dredging** – Monday (9/26), was Day 69 of dredging following the completion of the Cozy Cove (85 days). The following is a summary of the dredging activities in the various dredge areas through 9/26:
 - Areas A33 and 33A – 4,706 cubic yards (CY);
 - Area B33 – 1,875 CY;
 - Area B34 – 887 CY;
 - Area 35B – 9,042 CY, which was completed today;
 - Area B36A – 106 CY; and

Distribution: Participants; **Jacobs**: Document Control File, Mike Anderson, Jackie Connor, Josh Cummings, Lonnie Fallin, Steve Fox, Mark Gouveia, Al Hardesty, Sean Healey, Debra Hickman, Alison Hutchinson, Kirk Morris, Mike Morris, Jim Piccuito, Steven Sills, Anita Rigassio Smith, Ann Webb, Poinciana Willis, Carl Wilson, Mary Wright, Ken Gaynor Will Kenyon; **Sevenson**: Mike Crystal, Marcus Dickhut; **USACE**: Tim Rezendes, Kevin Coleman, Bob Christie, Jay Mackay, Marcos Paiva, Ellen Iorio, Sheila Winston-Vinculla, Peter Hugh, Steve Wolf, Marie Esten, Christine Johnson; **EPA**: Cynthia Catri, David Peterson, Elaine Stanley, Ginny Lombardo, Dave Lederer, Barb Bergen, Dave Dickerson, Hoshaiah Barczynski; **MADEP**: Joe Coyne, Paul Craffey; **Battelle**: Deirdre Dahlen, Jessica Tenzar, Patricia White, John Lally; **KOMEN**: Debi Helms, John Fitzgerald
ACE-J23-35BG1001-P4-0088

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Area C33 – 906 CY.

Note that dredging and sampling of the area beneath the privately dock within A33 will be performed after it has been removed; sometime in November. Also, at the request of the EPA, at the end of this Project Note is a table that presents the following information: MU Name; 1st pass, 2nd pass, verification sampling; verification sampling results due; confirmation sampling; confirmation sampling results due; and date area cleared.

Jacobs (Mark) will continue to coordinate with Battelle (Jessica) for water quality monitoring during the barge placements into the CAD cell.

CAD Cell Curtain – SES still conducts weekly inspections of the curtains. Jacobs (Mark) and SES (Joe) received pricing on three different curtains/materials: 1) the original curtain which was in use during construction; 2) the medium duty silt curtains with geogrid at the top; and 3) the heavier duty fabric suggested by John Lally. Jacobs (Mark) noted that the lead time required would range between four and six weeks. The team needs to decide which curtain to use going forward. Consideration should be given to the existing sections, which are still in good condition (depending on the type selected). Sections of different types may not fit together.

• Bathymetric Surveys

Progress Survey – No survey scheduled at this time.

Final Survey for 35B – Completed on 9/21; results were distributed to USACE and EPA.

Dual Frequency Survey – Completed 9/21 and the results were provided to USACE (Marie):

- **CAD Cell Slope Monitoring** – A multi beam survey will be conducted at the CAD cell this Thurs/Fri, (9/29, 9/30). This is the first monthly survey to be conducted during filling of the CAD cell.

3 BATTELLE FIELD ACTIVITIES/SAMPLE COLLECTION AND PROCESSING

- **Lower Harbor Water Quality Monitoring** – Boat-based WQM will be performed Wednesday (9/28) to monitor dredging operations at the hop scotch area and any placements in the CAD cell.
- **N/C - Upper Harbor Water Quality Monitoring** – No boat-based WQM activities are planned for this week.
- **Phase 4 Intertidal Sampling** – Analysis of the deeper interval samples is complete. Validation of the Oxford ROW sample data is complete. Results for six deeper-interval samples are in validation.
- **N/C - Verification/Confirmatory Sampling at Areas 33A & A33** – Additional dredging will be performed in several areas. After the dredging is finished, Battelle will collect updated verification/confirmation samples within the dredged areas.
- **Cliftex Sampling** – Revised EDDs were received from the laboratory (Alpha) and data ~~will be~~ ^{have been} submitted for validation.
- **Near shore CDA Verification and Confirmatory Sampling** – Sampling in 35B was completed on 9/26/16. FSP Addendum #1 was submitted for review on 9/27/16; comments are requested by 10/4/16. EPA has no comments. PCB congener analysis of samples designated as confirmatory samples will be performed when all of the verification samples have been collected.
- **Groundwater Monitoring/Sampling at Sawyer Street CDF** – Battelle's subcontractor AECOM ^{ed} ~~is~~ collecting groundwater samples on 9/28 and 9/29. USACE (Mark Koenig and Dion Lewis) are observing.

4 JACOBS SAMPLE PROCESSING

- Received and analyzed by IA verification samples from Battelle for dredge area 35B. Average PCB concentration was ~13 ppm and Jacobs (Lonnice) will pull together an EDD for distribution.

5 BATTELLE REPORTS/DOCUMENTS

- **Intertidal Phase 2 Study Report** – Received GIS files for the proposed Riverwalk easement on Friday 9/23. Battelle (Patty) is working with EPA (Dave L and Dave D) on the individual parcel maps and data tables.
- **N/C - Intertidal Phase 3 Study Report** – All comments have been received. The Phase 4 results for the Lower Harbor will be integrated into the Phase 3 report. A draft final report will be submitted in October.
- **Sediment Report** – The Draft report was posted to the project SharePoint site on Friday 9/23. Comments are

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requested by October 7.

- **N/C - Lower Harbor Core Comparison Study** – Final memo has been posted to the SharePoint site; USACE (Marie) is preparing additional documentation about the dual-frequency bathymetric survey methodology, and Battelle (Patty) will insert this documentation into the memo and note the revision date.
- **N/C - Lower Harbor Confirmatory Sampling Report** – One report covering all LH areas will be created at the completion of confirmatory sampling.
- **N/C - Addendum to Phase I Report** – This addendum will include the Phase 4 results for samples collected in the Phase 1 study area. The draft report addendum will be submitted in October.
- **Lower Harbor Water Quality Monitoring FSP** – The Draft FSP is being updated in response to preliminary comments from USACE (Marie); a RLSD version should be available next week. Comments are requested by Friday 10/7.
- **Upper Harbor Water Quality Monitoring FSP** – The Draft FSP should be available for USACE and EPA review by mid-October (after comments from the LH WQ FSP are received).
- **N/C - 2016/2017 Field Season QAPP** – The Draft QAPP should be available for USACE and EPA review by the end of September.
- **N/C - 2016/2017 Accident Prevention Plan (APP)** – the Draft APP should be available for USACE and EPA review by the end of September.
- **N/C - 2016/2017 Site Safety and Health Plan (SSHP)** – the Draft SSHP should be available for USACE and EPA review by the end of September.

6 JACOBS REPORTS/DOCUMENTS

- **Updated Intertidal Volumes** – Comments have been received and minor modifications were made to the Parcel and new intertidal planning areas. Jacobs (Al) distributed the revised volumes on 9/15. USACE (Marie) has provided comments. EPA (Ginny) forwarded to EPA (Dave) for review, which he will complete by 10/7.
- **Pierce Mill Cove Plan** – The Draft Final Pierce Mill Cove Intertidal Remediation Plan was submitted to the EPA on 9/13.
The Draft restoration portion was submitted for review to EPA USACE on 9/16. The EPA, USACE, and Jacobs held a webinar on 9/20 to discuss the restoration plan. Reviewers EPA (Dave Dickerson) and USACE (Mike Panko) will provide comments to Jacobs (Al Hardesty) by the end of the month. Also, Jacobs (Mark) will look at the schedule for Pierce Mill Cove Remediation to assess when he can start the clearing activities and not have a break in the activities. A site walk was performed on Monday (9/26); Jacobs (Mark) will update the team at next week's meeting.
- **Mechanical Dredging Work Plan and Addendums** – Jacobs (Steve Sills) has provided the following schedule for Lower Harbor Dredging Work Plan Addendums:
 - Dredge Areas AK34, C33, and A/B35** – Hopscotch Area Addendum will be submitted by the end of the week (9/30).
 - Dredge Areas B33 and 35B, (and revised generic WP)** – Addendum for B33 & 35B was submitted on 9/13. The Draft Final Generic Work Plan was submitted on 9/26.
 - Pipeline relocation and Dredge Area C35** – 10/3.
 - Between the Bridges** – 10/7. In addition, the EPA (Ginny) requested that Jacobs (Mark) notifies the property owners across the street from the shoreline houses prior to initiation of work.
 - Dredge Areas 37C and D and Moby Dick Marina** – 10/17.
 - Upper Harbor** – TBD.
- **Mechanical Dredging Addendum for Upper Harbor** – Jacobs has begun work on modeling of the sediment cores collected in the Upper Harbor, which will be completed by 10/7. The modeling results will be used to confirm the Upper Harbor volumes. These volumes, combined with the volume placed in the CAD cell to date, will allow Jacobs to calculate the Upper Harbor volume that can be placed in the CAD cell under the existing

6 Days clearing
4 " fence
5 " road } 3 wks, 12 hrs/day

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	<p>Interim RAC funds and RAC. Jacobs (Mark) and SES (Joe M.) will compare the costs to complete the dredging on a 24-hour basis.</p> <p>The modeling will also be completed for in-between and bridges and Moby Dick.</p> <ul style="list-style-type: none"> • Parcel 265 After Action Report – The document was sent out for review on 9/14. Comments from EPA (Ginny) will be provided by the end of October. • N/C - Remediation Work Plan for BtB Intertidal Areas – The WP preparation is on hold. However, EPA (Dave) is working on an amendment to the access agreement with Mr. Mike Panagakos, who owns the laundromat on the eastern Fairhaven shoreline (Property lots 17-1 and 17-3). Jacobs (Anita) will provide EPA (Dave) with a map presenting the lot by lot plots; staging area, access route to property; and the preliminary restoration areas. • N/C - 2015 Data Summary Report (DSR) – EPA (Elaine) reviewed the table of contents and confirmed expectations with Jacobs (Josh). Draft will be ready in October. • N/C - Develop Final Dredge Depths for the Fate & Transport Model – On Monday, (9/26) Jacobs (Anita) provided the information to NAE (Ellen). • N/C - Best Value Contract – Revised Plans & Specs was submitted to USACE on 9/9. A comment resolution meeting was held on 9/27. Jacobs is currently addressing final comments and making changes to the drawings and will provide a completion date ahead of next week's meeting. Release of the Plans & Specs is scheduled for October 14 and award is expected on February 3.
7	AIR MONITORING
	<ul style="list-style-type: none"> • PCB Aroclor Method for Ambient Air Analysis – Per 9/2 discussion between Jacobs (Lonnie and Steve F.), USACE (Ellen), and EPA (Dave), during the September sampling event, duplicate samples were collected and analyzed for both PCB Aroclor method and PCB Homolog. The analysis will be performed by Alpha Analytical Laboratories. Results are pending. • N/C - July Ambient Air Sampling Activities – Awaiting validated data for the July sampling rounds for the Upper Harbor Debris Removal and Lower Harbor Dredging activities, (7/21 and 7/28). • August Ambient Air Sampling Activities – Results for the Upper Harbor Debris Removal and Lower Harbor sampling round completed on 8/12 and 8/19 have been received. Validation in progress. • September Ambient Air Sampling Activities – Collection completed on 9/21. Results are pending. Note that the monitoring equipment at Stations 59 (Popes Island) and 66 (Huddleston) were tampered with and samples not collected and submitted for analysis. • 2014/2015 Ambient Air Report – Jacobs (Mike Morris) is addressing comments and updating the PETs curves.
8	ARCHAEOLOGY
	<ul style="list-style-type: none"> • Phase II Archaeological Investigation – On Monday, (9/26), Jacobs, Public Archeology Laboratory, Inc. (PAL) initiated the field work. • Phase II Archaeological Investigation Preparations – EPA (Ginny) indicated that they have gotten a response on all of the artifact release forms that they sent out for signature. They only one that they did not receive a response on was for the Robichaud property, which EPA (Elaine) left a voicemail with the property owner. • N/C - UH Debris Removal – David Robinson has evaluated the anchors recovered in 2015 and indicated that one anchor appears to be from the 1800s. He is preparing a summary report. Another anchor was discovered on the first day of Upper Harbor debris removal (4/22). The anchor has been stored for future evaluation. As discussed earlier, the week of 7/4, a potential find was encountered during debris removal. A 250' buffer zone was set and DSR (David Robinson) was notified. The side scan survey was completed on 7/21, and based upon David Robinson's review of the data, the buffer zone was reduced from 250 foot buffer to a 60 foot buffer.
9	EXTERNAL MEETINGS, OUTREACH, AND SUPER JTI
	<ul style="list-style-type: none"> • City of New Bedford Update – EPA (Ginny) provided the Draft Final Pierce Mill Cove Intertidal Remediation Plan to the CoNB (Michelle) on 9/21. Once she receives the Restoration Plan for Pierce Mill Cove, EPA (Ginny)

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	<p>will meet with the CoNB to discuss upcoming activities.</p> <ul style="list-style-type: none"> • N/C - City of New Bedford Outreach – Coordinators are out in the field now approximately 7-10 hours per week. • N/C - Passive Air Monitoring Program – On 9/8, the University of Iowa and Boston University (BU) met with the EPA, USACE, and Jacobs (Changsheng Lu) to discuss their passive air monitoring activities and the associated results. EPA (Dave) indicated that the meeting went very well and stated that the attendees were interested in receiving additional data, particularly the confirmation sample data collected post-dredge. • Super JTI – EPA (Dave Lederer) and USACE (Ellen and Kevin) will meet today, (9/28) to discuss this EPA local hire initiative and its applicability for the New Bedford Project and a potential path forward. • Small Business Discussion – USACE (Eva), Gus Santos (local business), and Jacobs (Mark and Steve F.) will meet on 10/25 to discuss potential business opportunities on the New Bedford project. • Public Meeting – EPA (Dave L & Kelsey) are discussing the next meeting and currently looking at dates in November.
11	<p>AEROVOX</p> <p>Aerovox 21e Project – On 9/19, the EPA (Ginny) issued the EPA comments on the Phase III Remedial Action Plan and the IRA status report #7. This submittal incorporated the USACE (Steve Wolf) and Jacobs (Mike Morris) comments. However, the EPA submittal did not include additional EPA (Cindy Catri) comments on the Phase III Remedial Action Plan. Ginny included Cindy's comments and re-submitted the comments to the MassDEP. This morning, she will also forward the revised comments to the group.</p> <p>In addition, now that the remediation has started AVX, MassDEP, and EPA will conduct weekly calls every Wednesday at 9:30 to discuss the status of site activities. The installation of the sheet piles in preparation for the test pitting in the vicinity of the existing sheet piles continues. It should be noted that sheen was evident on the river during excavation and AVX has been putting out oil booms to capture the oil sheen. Yesterday, (9/27), AVX tried to advance sheet piles but encountered boulders. Jacobs (Josh) has been going to the AVX facility on a daily basis and he will provide an update on the boulders. Photos and field notes are being taken.</p> <p>Jacobs (Mike Morris) has completed the new cross sections that were requested by the EPA. These five (5) cross sections include the Battelle 2015 boring information, as well as the 2015 AVX borings/data. The updated 2012 Jacobs's cross sections were distributed and reviewed by the EPA (Elaine and Robert Ford) and USACE (Ellen) for review. The cross sections may be used to complete a 3-D representation of composite cross section. In addition, Jacobs (Mike and Al) will be working on the following action items for EPA:</p> <ul style="list-style-type: none"> • Mike Morris is completing the updates of the 2012 cross-sections that presented PCB and VOC concentration contours; • At the request of EPA (Elaine) Mike Morris will generate an Addendum of the April 2013 Jacobs report on the 2012 Near-Shore boring program. The Addendum will incorporate the recent 2015 data gap sampling, as well as the data generated by AVX during their recent 21E investigation; and • EPA (Elaine) has also requested that Jacobs update the 3 March 2015 Jacobs document that presented the Deep Dredging Cost Estimates. Next week, EPA (Elaine) will set-up a meeting to discuss both of these documents.

CONTRACT ACTIONS			
	DESCRIPTION	ACTION REQUIRED BY	NEED DATE
1	USACE to award Jacobs the incentive fees for TO 1, negotiate incentive fees for TO 6, TO 7, and TO 8. USACE (Kevin) is ready to negotiate T06, T07, and T08.	USACE	October

2	Scoping meeting for bathymetric survey contract for mechanical dredging in the Lower Harbor.	USACE	10/7
3	FFP-BV Final Plans and Specs.	USACE	Sept 2016
4	Battelle modification (scope to evaluate monitoring well network)	USACE	TBD

ACTION ITEMS

	DESCRIPTION	ACTION REQUIRED BY	NEED DATE
1	Optimization and Comprehensive Plan Sawyer Street Decommissioning Plan – Jacobs to develop Draft Outline including list of as-builts and detail of the activities needed to decommission Cell 1, Cell 2 and Cell 3. Pilot CDF – Jacobs to develop Draft Outline of WP including TSCA cover and support EPA in developing a GERE.	USACE/Jacobs	TBD
2	N/C – Complete Fate and Transport Food Model Report – EPA, (Barb Bergen) and ERDC (Earl) have completed their analysis of the modeling data on the sediment transport and sediment load at the request of the EPA. According to EPA (Ginny) the model matches well with the LTM data. Discussion with ERDC on 6/27.	USACE/ERDC USACE	TBD
3	N/C – Cleanup Strategy Meeting – Topic pending.	USACE, EPA MassDEP	TBD
4	N/C – Area T Storm Water/CSO Outlet – The CoNB has completed the replacement of the existing 24-inch clay pipe with a 48-inch pipe. Jacobs (Anita) discussed the status of the project with the CoNB's contractor, who indicated that the apron has been installed. The Contractor will provide Jacobs with copies of the as-builts.	EPA, USACE, and Jacobs	TBD
5	N/C – Site visit for FFP-BV – Will be rescheduled after completion of government review.	USACE	TBD
6	N/C – Upper Harbor debris status for City of New Bedford – This will be completed once the Upper Harbor debris removal activities are completed.	Jacobs	TBD

PLANNING ACTIVITIES

	DESCRIPTION	ACTION REQUIRED BY	NEED DATE
1	N/C – New Bedford Rail Bridge Replacement – 9/28/2015 was the last day of shipment of material from Area D by rail. The bridge is out of service. Based on a Standard Times article, the MassDOT is on schedule for completing the bridge in October 2016 with road work to follow that should not impact the rail bridge. Following the 2/11/16 meeting with MassDOT, EPA, and the USACE (Paul), e-mailed MassDOT about getting re-imbursement from MassDOT for the delays. EPA (Elaine) will also write a letter to the MassDOT on the additional costs for trucking the material from Area D versus transport by rail.	EPA	Ongoing



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Current as of Monday, 9/26/16

MU Name	1st pass	2nd pass	Verification Sampling	Verification Sampling Results Due	Confirmation Sampling	Confirmation Sampling Results Due	Final Bathymetry Survey	Date Area Cleared	Notes
A33 & 33A	Y	Y	N (2nd round)	N	N(2nd round)	N		N	
36A	Y	Y	N						
B33	Y	Y	Y						
35B	Y	Y	Y	9/27					
B34	Y								
C33									
A34									
C34 & D34									
E34 – B35									"Hopscotch Area" that encompasses the following MU's: A35, B35; A34; E34; F34; G34; H34; I34; J34; and K34